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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/060,714

DATE: 02/22/2002

TIME: 16:05:35

Input Set : A:\10448-039001.TXT

Output Set: N:\CRF3\02222002\J060714.raw

4 <110> APPLICANT: O'Keefe, Theresa
5 Rao, Pat
7 <120> TITLE OF INVENTION: HYBRID ANTIBODIES AND USES THEREOF
10 <130> FILE REFERENCE: 10448-039001
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/060,714
C--> 12 <141> CURRENT FILING DATE: 2002-01-30
12 <150> PRIOR APPLICATION NUMBER: 60/265,914
13 <151> PRIOR FILING DATE: 2001-02-02
15 <160> NUMBER OF SEQ ID NOS: 26
17 <170> SOFTWARE: FastSEQ for Windows Version 4.0
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 5
21 <212> TYPE: PRT
22 <213> ORGANISM: Rattus norvegicus
24 <400> SEQUENCE: 1
25 Ser Phe Pro Met Ala
26 1 5
28 <210> SEQ ID NO: 2
29 <211> LENGTH: 17
30 <212> TYPE: PRT
31 <213> ORGANISM: Rattus norvegicus
33 <400> SEQUENCE: 2
34 Thr Ile Ser Thr Ser Gly Gly Arg Thr Tyr Tyr Arg Asp Ser Val Lys
35 1 5 10 15
36 Gly
39 <210> SEQ ID NO: 3
40 <211> LENGTH: 10
41 <212> TYPE: PRT
42 <213> ORGANISM: Rattus norvegicus
44 <400> SEQUENCE: 3
45 Phe Arg Gln Tyr Ser Gly Gly Phe Asp Tyr
46 1 5 10
48 <210> SEQ ID NO: 4
49 <211> LENGTH: 13
50 <212> TYPE: PRT
51 <213> ORGANISM: Rattus norvegicus
53 <400> SEQUENCE: 4
54 Thr Leu Ser Ser Gly Asn Ile Glu Asn Asn Tyr Val His
55 1 5 10
57 <210> SEQ ID NO: 5
58 <211> LENGTH: 7
59 <212> TYPE: PRT
60 <213> ORGANISM: Rattus norvegicus

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62 <400> SEQUENCE: 5
63 Asp Asp Asp Lys Arg Pro Asp
64 1 5
66 <210> SEQ ID NO: 6
67 <211> LENGTH: 9
68 <212> TYPE: PRT
69 <213> ORGANISM: Rattus norvegicus
71 <400> SEQUENCE: 6
72 His Ser Tyr Val Ser Ser Phe Asn Val
73 1 5
75 <210> SEQ ID NO: 7
76 <211> LENGTH: 30
77 <212> TYPE: PRT
78 <213> ORGANISM: Rattus norvegicus
80 <400> SEQUENCE: 7
81 Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
82 1 5 10 15
83 Ser Met Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser
84 20 25 30
86 <210> SEQ ID NO: 8
87 <211> LENGTH: 14
88 <212> TYPE: PRT
89 <213> ORGANISM: Rattus norvegicus
91 <400> SEQUENCE: 8
92 Trp Val Arg Gln Ala Pro Lys Lys Gly Leu Glu Trp Val Ala
93 1 5 10
95 <210> SEQ ID NO: 9
96 <211> LENGTH: 32
97 <212> TYPE: PRT
98 <213> ORGANISM: Rattus norvegicus
100 <400> SEQUENCE: 9
101 Arg Phe Thr Ile Ser Arg Asp Asn Gly Lys Ser Ile Leu Tyr Leu Gln
102 1 5 10 15
103 Met Asn Ser Leu Arg Ser Glu Asp Thr Ala Thr Tyr Tyr Cys Ser Arg
104 20 25 30
106 <210> SEQ ID NO: 10
107 <211> LENGTH: 10
108 <212> TYPE: PRT
109 <213> ORGANISM: Rattus norvegicus
111 <400> SEQUENCE: 10
112 Trp Gly Gln Gly Thr Thr Val Thr Val Ser
113 1 5 10
115 <210> SEQ ID NO: 11
116 <211> LENGTH: 22
117 <212> TYPE: PRT
118 <213> ORGANISM: Rattus norvegicus
120 <400> SEQUENCE: 11
121 Asp Phe Met Leu Thr Gln Pro His Ser Val Ser Glu Ser Pro Gly Lys
122 1 5 10 15

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123 Thr Val Ile Ile Ser Cys
124          20
126 <210> SEQ ID NO: 12
127 <211> LENGTH: 15
128 <212> TYPE: PRT
129 <213> ORGANISM: Rattus norvegicus
131 <400> SEQUENCE: 12
132 Trp Tyr Gln Gln Arg Pro Gly Arg Ala Pro Thr Leu Val Ile Phe
133 1          5          10          15
135 <210> SEQ ID NO: 13
136 <211> LENGTH: 34
137 <212> TYPE: PRT
138 <213> ORGANISM: Rattus norvegicus
140 <400> SEQUENCE: 13
141 Gly Val Pro Asp Arg Phe Ser Gly Ser Ile Asp Arg Ser Ser Asn Ser
142 1          5          10          15
143 Ala Ser Leu Thr Ile Ser Gly Leu Gln Thr Glu Asp Glu Ala Asp Tyr
144          20          25          30
145 Tyr Cys
148 <210> SEQ ID NO: 14
149 <211> LENGTH: 10
150 <212> TYPE: PRT
151 <213> ORGANISM: Rattus norvegicus
153 <400> SEQUENCE: 14
154 Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
155 1          5          10
157 <210> SEQ ID NO: 15
158 <211> LENGTH: 110
159 <212> TYPE: PRT
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Synthetically generated peptide
165 <400> SEQUENCE: 15
166 Asp Phe Met Leu Thr Gln Pro His Ser Val Ser Glu Ser Pro Gly Lys
167 1          5          10          15
168 Thr Val Ile Ile Ser Cys Thr Leu Ser Ser Gly Asn Ile Glu Asn Asn
169          20          25          30
170 Tyr Val His Trp Tyr Gln Gln Arg Pro Gly Arg Ala Pro Thr Leu Val
171          35          40          45
172 Ile Phe Asp Asp Asp Lys Arg Pro Asp Gly Val Pro Asp Arg Phe Ser
173          50          55          60
174 Gly Ser Ile Asp Arg Ser Ser Asn Ser Ala Ser Leu Thr Ile Ser Gly
175 65          70          75          80
176 Leu Gln Thr Glu Asp Glu Ala Asp Tyr Tyr Cys His Ser Tyr Val Ser
177          85          90          95
178 Ser Phe Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
179          100          105          110
181 <210> SEQ ID NO: 16
182 <211> LENGTH: 330

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183 <212> TYPE: DNA
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Synthetically generated oligonucleotide
189 <221> NAME/KEY: CDS
190 <222> LOCATION: (1)...(330)
192 <400> SEQUENCE: 16
193 gac ttt atg ctt act cag ccc cac tct gtg tct gag tct ccc gga aag      48
194 Asp Phe Met Leu Thr Gln Pro His Ser Val Ser Glu Ser Pro Gly Lys
195 1 5 10 15
197 aca gtc att att tct tgc aca ctc agc tct ggt aac ata gaa aac aac      96
198 Thr Val Ile Ile Ser Cys Thr Leu Ser Ser Gly Asn Ile Glu Asn Asn
199 20 25 30
201 tat gtg cac tgg tac cag caa agg ccg gga aga gct ccc acc ctc gtg      144
202 Tyr Val His Trp Tyr Gln Gln Arg Pro Gly Arg Ala Pro Thr Leu Val
203 35 40 45
205 att ttc gat gat gat aag aga ccg gat ggt gtc cct gac agg ttc tct      192
206 Ile Phe Asp Asp Asp Lys Arg Pro Asp Gly Val Pro Asp Arg Phe Ser
207 50 55 60
209 ggc tcc att gac agg tct tcc aac tca gcc tcc ctg aca atc agt ggt      240
210 Gly Ser Ile Asp Arg Ser Ser Asn Ser Ala Ser Leu Thr Ile Ser Gly
211 65 70 75 80
213 ctg caa act gaa gat gaa gct gac tac tac tgt cat tct tat gtt agt      288
214 Leu Gln Thr Glu Asp Glu Ala Asp Tyr Tyr Cys His Ser Tyr Val Ser
215 85 90 95
217 agt ttt aat gtt ttc ggc ggt gga aca aag ctc act gtc ctt      330
218 Ser Phe Asn Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
219 100 105 110
222 <210> SEQ ID NO: 17
223 <211> LENGTH: 119
224 <212> TYPE: PRT
225 <213> ORGANISM: Rattus norvegicus
227 <400> SEQUENCE: 17
228 Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
229 1 5 10 15
230 Ser Met Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Phe
231 20 25 30
232 Pro Met Ala Trp Val Arg Gln Ala Pro Lys Lys Gly Leu Glu Trp Val
233 35 40 45
234 Ala Thr Ile Ser Thr Ser Gly Gly Arg Thr Tyr Tyr Arg Asp Ser Val
235 50 55 60
236 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Gly Lys Ser Ile Leu Tyr
237 65 70 75 80
238 Leu Gln Met Asn Ser Leu Arg Ser Glu Asp Thr Ala Thr Tyr Tyr Cys
239 85 90 95
240 Ser Arg Phe Arg Gln Tyr Ser Gly Gly Phe Asp Tyr Trp Gly Gln Gly
241 100 105 110
242 Thr Thr Val Thr Val Ser Ser
243 115

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245 <210> SEQ ID NO: 18
246 <211> LENGTH: 357
247 <212> TYPE: DNA
248 <213> ORGANISM: Rattus norvegicus
250 <220> FEATURE:
251 <221> NAME/KEY: CDS
252 <222> LOCATION: (1)...(357)
254 <400> SEQUENCE: 18
255 cag gtc caa ttg cag gag tct ggg ggc ggt tta gtg cag cct gga agg      48
256 Gln Val Gln Leu Gln Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Arg
257 1 5 10 15
259 tcc atg aaa ctc tcc tgt gca gcc tca gga ttc act ttc agt agc ttt      96
260 Ser Met Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Phe
261 20 25 30
263 cca atg gcc tgg gtc cgc cag gct cca aag aag ggt ctg gag tgg gtc      144
264 Pro Met Ala Trp Val Arg Gln Ala Pro Lys Lys Gly Leu Glu Trp Val
265 35 40 45
267 gca acc att agt act agt ggt ggt aga act tac tat cga gac tcc gtg      192
268 Ala Thr Ile Ser Thr Ser Gly Gly Arg Thr Tyr Tyr Arg Asp Ser Val
269 50 55 60
271 aag ggc cga ttc act atc tcc aga gat aat ggg aaa agc atc cta tac      240
272 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Gly Lys Ser Ile Leu Tyr
273 65 70 75 80
275 ctg caa atg aat agt ctg agg tct gag gac acg gcc act tat tac tgt      288
276 Leu Gln Met Asn Ser Leu Arg Ser Glu Asp Thr Ala Thr Tyr Tyr Cys
277 85 90 95
279 tca aga ttt cgg cag tac agt ggt ggc ttt gat tac tgg ggc caa ggg      336
280 Ser Arg Phe Arg Gln Tyr Ser Gly Gly Phe Asp Tyr Trp Gly Gln Gly
281 100 105 110
283 acc acg gtc acc gtc agc tca      357
284 Thr Thr Val Thr Val Ser Ser
285 115
288 <210> SEQ ID NO: 19
289 <211> LENGTH: 15
290 <212> TYPE: DNA
291 <213> ORGANISM: Rattus norvegicus
293 <400> SEQUENCE: 19
294 agctttccaa tggcc      15
296 <210> SEQ ID NO: 20
297 <211> LENGTH: 51
298 <212> TYPE: DNA
299 <213> ORGANISM: Rattus norvegicus
301 <400> SEQUENCE: 20
302 accattagta ctagtggtgg tagaacttac tatcgagact ccgtgaaggg c      51
304 <210> SEQ ID NO: 21
305 <211> LENGTH: 30
306 <212> TYPE: DNA
307 <213> ORGANISM: Rattus norvegicus
309 <400> SEQUENCE: 21

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VERIFICATION SUMMARY

DATE: 02/22/2002

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Input Set : A:\10448-039001.TXT

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L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date